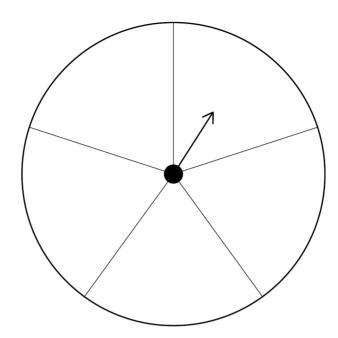
I	$\it a$ and $\it b$ are both prime numbers. They are each less than 20				
	Give an example where $a+b$ is odd but not prime.	[2 marks			

2	Work out the lowest common multiple (LCM) of 120 and 144	[2 marks]	
	Answer		

3 A spinner has five equal sections.



Write a number in each section so that

the numbers are all different factors of 100

P(single-digit number) =
$$\frac{3}{5}$$

P(multiple of 25) =
$$\frac{1}{5}$$

[3 marks]

4	Work out cube root of 512 : reciprocal of 0.4	
	Give your answer in the form $n:1$	[3 marks]
	Angwor	

Circle the factor of 32

[1 mark]

6	Work out two numbers that	
	are multiples of 9	
	and	
	have a difference of 54	[2 marks

and _____

Erik thinks of a prime number between 20 and 30	
His number is $x\%$ of 125	
Work out one possible value of x .	
	[3 marks]
Answer	

	Show that 2125 can be written as a cube number multiplied by a prime number between 10 and 20			
a ci	ibe number muitipii	ed by a prime number b	etween 10 and 20	[2

Gircle the number that is a factor of 10

[1 mark]

7

6

5

4

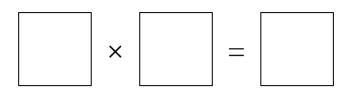
10 (a)	Work out the multiple of 60 that is closest to 400	[2 marks]
	Answer	
10 (b)	Work out the highest common factor (HCF) of 12 and 18	[2 marks]
	Answer	

11 Two prime numbers are multiplied together.

The answer is an **even** number between 50 and 60

Complete the calculation.

[3 marks



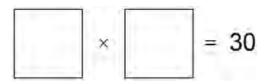
12 (a) Complete the boxes using

a factor of 12

and

a factor of 40

[2 marks]



12 (b) Complete the boxes using

a square number

and

a prime number.

[2 marks]

13 Circle the number that is a multiple of 25

[1 mark]

55

65

75

85

14 Written as the product of prime factors,

$$12\,600 = 2^3 \times 3^2 \times 5^2 \times 7$$

and

$$14\,112 = 2^5 \times 3^2 \times 7^2$$

Work out the highest common factor (HCF) of 12600 and 14112 Give your answer as an integer.

,	ŭ	[2 marks]

Answer _____

15 (a) Write down the **two** prime numbers between 25 and 35

[2 marks]

Answer _____ and ____